

# Materials

Science	Working towards	Working at	Working above
Can I identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses?	I can identify and compare the suitability of a variety of everyday materials e.g. wood, plastic, metal, glass, brick, rock, paper and cardboard for particular uses.	Select and justify a material for particular use.	For particular materials in particular uses identify limitations as well as suitability.
Can I find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching?	Identify that the shape of some objects can be changed.	I can describe changes achieved by applying forces in different directions.	Identify that some changes to shapes are permanent and others are temporary and that this can influence their uses.
<b>D&amp;T</b>			
Can I design a purposeful, functional, appealing Christmas decoration based on a design criteria ?	I can generate ideas through talking and drawing.	I can generate and develop my ideas through talking, drawing and where appropriate, ICT.	I can generate, develop, model and communicate my ideas through talking, drawing, templates, mock-ups and, where appropriate, ICT.
Can I select and use a range of tools and equipment?  Can I select and use a wide range of materials, according to their characteristics?	I can choose from a limited range of tools and equipment to perform practical tasks when supported.  I can choose from and use a limited range of materials.	I can choose from and use a wider range of tools and equipment and materials to perform practical tasks [for example, cutting, shaping, joining and finishing].	I can select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing].  I can select from and use a wide range of materials and components.
Can I evaluate my ideas and products against a design criteria?	I can with support evaluate my product.  I can talk about my ideas and say how I can do better.	I can explore and evaluate a range of existing products.  I can evaluate my ideas and product against a design criteria.	Explore and evaluate a range of existing products.  Evaluate their ideas and products against design criteria.  I can explore how my product can be made stronger, stiffer and more stable.